MAY 2 4 2004 E

ISIS5315.ST25.txt SEQUENCE LISTING

<110>	Bennett, C. Frank Cowsert, Lex M. Malik, Leila Siwkowski, Andrew Eldrup, Anne B.	
<120>	ANTISENSE MODULATION OF CD40 EXPRESSION	
<130>	ISIS-5315	
<140> <141>	US 10/698,689 2003-10-31	
<150> <151>	PCT/US03/31166 2003-09-30	
<150> <151>	US 10/261,382 2002-09-30	
<150> <151>	US 09/067,638 1998-04-28	
<150> <151>	US 60/081,483 1998-04-13	
<160>	248	
<170>	PatentIn version 3.2	
	1 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> ccaggc	1 ggca ggaccact	18
<210> <211> <212> <213>	2 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> gaccag	2 gegg caggacca	18
<210> <211> <212> <213>	3 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> aggtga	3 gacc aggcggca	18
<210> <211> <212>	4 18 DNA	

<213>	Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> cagagge	4 caga cgaaccat	18
<210><211><211><212><213>	5 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> gcagago	5 gcag acgaacca	18
<210><211><211><212><213>	6 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> gcaagca	6 agcc ccagagga	18
<210><211><211><212><213>	7 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> ggtcage	7 caag cagcccca	18
<210><211><211><212><213>	8 18 , DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> gacagc	8 ggtc agcaagca	18
<210><211><211><212><213>	9 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> gatgga	9 cagc ggtcagca	18
<210>	10	

.011.	10	10100010.0120.000	
<211> <212> <213>	18 DNA Artificial Sequence		
<220> <223>	Synthetic Construct		
<400> tctgga	10 tgga cagcggtc	1	. 8
<210> <211> <212> <213>	11 18 DNA Artificial Sequence		
<220> <223>	Synthetic Construct		
<400> ggtggt	11 tctg gatggaca	1	. 8
<210><211><211><212><213>	12 18 DNA Artificial Sequence		
<220> <223>	Synthetic Construct		
<400> gtgggt	12 ggtt ctggatgg	1	. 8
<210><211><211><212><213>	13 18 DNA Artificial Sequence		
<220> <223>	Synthetic Construct		
<400> gcagtg	13 ggtg gttctgga	1	.8
<210> <211> <212> <213>	14 18 DNA Artificial Sequence		
<220> <223>	Synthetic Construct		
<400> cacaaa	14 gaac agcactga	1	. 8
<210> <211> <212> <213>	15 18 DNA Artificial Sequence		
<220> <223>	Synthetic Construct		
<400> ctggca	15 caaa gaacagca	1	. 8

<210> <211> <212> <213>	18 DNA	
<220> <223>		
<400> tcctgg	16 gctgg cacaaaga	18
<210><211><211><212><212><213>	18 DNA	
<220> <223>	•	
<400> ctgtcc	17 ctggc tggcacaa	18
<210><211><212><212><213>	18 DNA	
<220> <223>		
<400> ctcacca	18 cagtt tctgtcct	18
<210><211><211><212><213>	18 DNA	
<220> <223>		
<400> tcactca	19 cacca gtttctgt	18
<210><211><211><212><213>	18 DNA	
<220> <223>		
<400> gtgcag	20 gtcac tcaccagt	18
<210><211><211><212><213>	18 DNA	
<220> <223>		
<400>	21	

ISIS5315.ST25.txt actctgtgca gtcactca 18 <210> 22 <211> 18 <212> DNA <213> Artificial Sequence <220> <223> Synthetic Construct <400> 22 cagtgaactc tgtgcagt 18 <210> 23 <211> 18 <212> DNA <213> Artificial Sequence <220> <223> Synthetic Construct <400> 23 18 attccgtttc agtgaact <210> 24 <211> 18 <212> DNA <213> Artificial Sequence <220> <223> Synthetic Construct <400> 24 gaaggcattc cgtttcag 18 <210> 25 <211> 18 <212> DNA <213> Artificial Sequence <220> <223> Synthetic Construct <400> 25 ttcaccgcaa ggaaggca 18 <210> 26 <211> 18 <212> DNA <213> Artificial Sequence <220> <223> Synthetic Construct <400> 26 18 ctctgttcca ggtgtcta <210> 27 <211> 18 <212> DNA

<213> Artificial Sequence

<223> Synthetic Construct

<220>

<400> ctggtg	27 gcag tgtgtctc	18
<210> <211> <212> <213>	28 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> tggggt	28 cgca gtatttgt	18
<210> <211> <212> <213>	29 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> ggttgg	29 ggtc gcagtatt	18
<210> <211> <212> <213>	30 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> ctaggt	30 tggg gtcgcagt	18
<210> <211> <212> <213>	31 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> ggtgcc	31 ette tgetggae	18
<210><211><211><212><213>	32 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> ctgagg	32 tgcc cttctgct	18
<210> <211> <212> <213>	33 18 DNA Artificial Sequence	

<220> <223>	Synthetic Construct	
<400> gtgtct	33 gttt ctgaggtg	18
<210><211><211><212><213>	34 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> tggtgt	34 ctgt ttctgagg	18
<210><211><211><212><213>	35 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> acaggt	35 gcag atggtgtc	18
<210> <211> <212> <213>	36 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> ttcaca	36 ggtg cagatggt	18
<210><211><211><212><213>	37 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> gtgcca	37 gcct tcttcaca	18
<210><211><212><212><213>	38 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> tacagt	38 . gcca gccttctt	18
<210> <211> <212>	39 18 DNA	

<213>	Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> ggacac	39 agct ctcacagg	18
<210><211><211><212><213>	40 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> tgcagg	40 acac agctctca	18
<210><211><211><212><213>	41 18 . DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> gagcgg	41 tgca ggacacag	18
<210><211><212><212><213>	42 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> aagccg	42 ggcg agcatgag	18
<210> <211> <212> <213>	43 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> aatctg	43 cttg accccaaa	18
<210> <211> <212> <213>	44 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> gaaacc	44 ectg tagcaatc	18
<210>	45	

<211>	18	1010010.0120.thc
<212>		
<213>	Artificial Sequence	
<220>		
<223>	Synthetic Construct	
	2,	
<400>		1.0
gtatca	gaaa cccctgta	18
<210>	46	
<211>		
<212> <213>		
12137	Altificial bequence	
<220>		
<223>	Synthetic Construct	
<400>	46	
	agat ggtatcag	18
, ,	<u>, </u>	
.010	4.3	
<210> <211>	47 18	
<212>		
<213>	Artificial Sequence	
1000		
<220> <223>	Synthetic Construct	
12237	Synthetic constitute	
<400>	47	
gcaggg	ctcg cagatggt	18
<210>	48	
<211>	18	
<212>		•
<213>	Artificial Sequence	•
<220>		
<223>	Synthetic Construct	
<400>	48	
	gggc tcgcagat	18
- 5 5 5	9 9 9 9 9	
.010.	4.0	
<210> <211>	49 18	
<212>		
<213>	Artificial Sequence	
4000s		
<220> <223>	Synthetic Construct	
12237	bynamacia constitue	
<400>	49	
gactgg	gcag ggctcgca	18
<210>	50	
<211>	18	
<212>	DNA Artificial Seguence	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic Construct	
<400>	50	
	agaa gaageega	18

<210> <211> <212> <213>	51 18 DNA Artificial Sequence			
<220> <223>	Synthetic Construct			
<400> gatgac	51 acat tggagaag			1:
<210><211><211><212><213>	52 18 DNA Artificial Sequence			
<220> <223>	Synthetic Construct			
<400> gcagat	52 gaca cattggag			18
<210><211><211><212><213>	53 18 DNA Artificial Sequence			
<220> <223>	Synthetic Construct			
<400> tcgaaa	53. gcag atgacaca			18
<210><211><211><212><213>	54 18 DNA Artificial Sequence			
<220> <223>	Synthetic Construct			-
<400> gtccaa	54 gggt gacatttt	J.		18
<210><211><211><212><213>	55 18 DNA Artificial Sequence			
<220> <223>	Synthetic Construct			
<400> cacagc	55 ttgt ccaagggt		,	18
<210><211><211><212><213>	56 18 DNA Artificial Sequence			
<220> <223>	Synthetic Construct			
<400>	56			

ISIS5315.ST25.txt ttggtctcac agcttgtc 18 <210> 57 <211> 18 <212> DNA <213> Artificial Sequence · <220> <223> Synthetic Construct <400> 57 caggtctttg gtctcaca 18 <210> 58 <211> 18 <212> DNA <213> Artificial Sequence <223> Synthetic Construct <400> 58 18 ctgttgcaca accaggtc <210> 59 <211> 18 <212> DNA <213> Artificial Sequence <220> <223> Synthetic Construct <400> 59 18 gtttgtgcct gcctgttg <210> 60 <211> 18 <212> DNA <213> Artificial Sequence <220> <223> Synthetic Construct <400> 60 gtcttgtttg tgcctgcc 18 <210> 61 <211> 18 <212> DNA <213> Artificial Sequence <220> <223> Synthetic Construct <400> 61 18 ccacagacaa catcagtc <210> 62 <211> 18 <212> DNA <213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> ctgggg	62 acca cagacaac	18
<210> <211> <212> <213>		
<220> <223>	Synthetic Construct	
<400> tcagcc	63 gatc ctggggac	18
<210> <211> <212> <213>		
<220> <223>	Synthetic Construct	
<400> caccac	64 cagg gctctcag	18
<210> <211> <212> <213>		
<220> <223>	Synthetic Construct	
<400> gggatc	65 acca ccagggct	18
<210> <211> <212> <213>		
<220> <223>	Synthetic Construct	
<400> gaggat	66 ggca aacaggat	18
<210><211><211><212><213>	67 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> accago	67 acca agaggatg	18
<210><211><211><212><213>	68 18 DNA Artificial Sequence	

<220> <223>	Synthetic Construct	
<400> ttttga	68 taaa gaccagca	18
_		
<210><211><211><212><213>		
<220> <223>	Synthetic Construct	
<400> tattgg	69 ttgg cttcttgg	18
<210><211><211><212><213>	DNA	
<220> <223>	Synthetic Construct	
<400> gggttc	70 ctgc ttggggtg	18
<210><211><211><212><213>		
<220> <223>	. Synthetic Construct	
<400> gtcggg	71 aaaa ttgatctc	18
<210><211><211><212><213>		
<220> <223>	Synthetic Construct .	
<400> gatcgt	72 cggg aaaattga -	18
<210><211><211><212><213>	73 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> ggagcc	73 agga agatcgtc	18
<210> <211> <212>	74 18 DNA	

<213>	Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> tggagc	74 cagg aagatcgt	18
<210><211><211><212><213>		
<220> <223>	Synthetic Construct	
<400> tggagc	75 agca gtgttgga	18
<210><211><212><212><213>	76 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> gtaaag	76 tctc ctgcactg	18
<210> <211> <212> <213>	18 DNA	
<220> <223>	Synthetic Construct	
<400> tggcat	77 ccat gtaaagtc	18
<210><211><211><212><213>	78 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> cggttg	78 gcat ccatgtaa	18
<210><211><211><212><213>	79 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> ctcttt	79 gcca tcctcctg	18
<210>	80	

	1010010.0120.010	
<211> <212> <213>		
<220> <223>	Synthetic Construct	
<400> ctgtct	80 ctcc tgcactga	18
<210><211><211><212><213>		
<220> <223>	Synthetic Construct	
<400> ggtgca	81 gcct cactgtct	18
<210><211><211><212><213>		
<220> <223>	Synthetic Construct	
<400> aactgc	82 ctgt ttgcccac	18
<210><211><212><212><213>		
<220> <223>	Synthetic Construct	
<400> cttctg	83 cctg cacccctg	18
<210><211><211><212><213>	84 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> actgac	84 tggg catagctc	18
<210><211><211><212><213>	85 1004 DNA Homo sapiens	
<300> <301> <302>	Stamenkovic et al. A B-lymphocyte activation molecule related to the nerve growth factor receptor and induced by cytokines in carcinomas EMBO J.	
<304>	8	

ISIS5315.ST25.txt	
<305> 5 <306> 1403-1410 <307> 1989 <308> X60592 <309> 1997-11-14 <313> (1)(1004)	
<400> 85 gcctcgctcg ggcgcccagt ggtcctgccg cctggtctca cctcgccatg gttcgtctgc	60
ctctgcagtg cgtcctctgg ggctgcttgc tgaccgctgt ccatccagaa ccacccactg	120
catgcagaga aaaacagtac ctaataaaca gtcagtgctg ttctttgtgc cagccaggac	180
agaaactggt gagtgactgc acagagttca ctgaaacgga atgccttcct tgcggtgaaa	240
gcgaatteet agacaeetgg aacagagaga cacaetgeea ecageacaaa taetgegaee	300
ccaacctagg gcttcgggtc cagcagaagg gcacctcaga aacagacacc atctgcacct	360
gtgaagaagg ctggcactgt acgagtgagg cctgtgagag ctgtgtcctg caccgctcat	420
gctcgcccgg ctttggggtc aagcagattg ctacaggggt ttctgatacc atctgcgagc	480
cctgcccagt cggcttcttc tccaatgtgt catctgcttt cgaaaaatgt cacccttgga	540
caagctgtga gaccaaagac ctggttgtgc aacaggcagg cacaaacaag actgatgttg	600
totgtggtoc ccaggatogg otgagagodo tggtggtgat coccatoato ttogggatoo	660
tgtttgccat cctcttggtg ctggtcttta tcaaaaaggt ggccaagaag ccaaccaata	720
aggcccccca ccccaagcag gaaccccagg agatcaattt tcccgacgat cttcctggct	780
ccaacactgc tgctccagtg caggagactt tacatggatg ccaaccggtc acccaggagg	840
atggcaaaga gagtcgcatc tcagtgcagg agagacagtg aggctgcacc cacccaggag	900
tgtggccacg tgggcaaaca ggcagttggc cagagagcct ggtgctgctg ctgcaggggt	960
gcaggcagaa gcggggagct atgcccagtc agtgccagcc cctc	004
<210> 86 <211> 23 <212> DNA <213> Artificial Sequence	
<223> PCR Primer	
<400> 86 cagagttcac tgaaacggaa tgc	23
<210> 87 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> PCR Primer	
<400> 87 ggtggcagtg tgtctctctg ttc	23
<210> 88 <211> 25 <212> DNA	

<213>	Art:	ificial	Sequ	ience	1515551	ororzorene		
<220> <223>	PCR	Primer						
<400> ttccttq	gcgg 88	tgaaago	cgaa	ttcct				25
<210> <211> <212> <213>	89 19 DNA Art:	ificial	Sequ	ience				
<220> <223>	PCR	Primer						
<400> gaaggto	89 gaag	gtcggag	gtc					19
<210> <211> <212> <213>	90 20 DNA Art:	ificial	Sequ	ience				
<220> <223>	PCR	Primer						
<400> gaagato	90 ggtg	atgggat	tttc					20
<210> <211> <212> <213>	91 20 DNA Art:	ificial	Sequ	ience				
<220> <223>	PCR	Primer						
<400> caagctt	91 tccc	gttctca	agcc					20
<210> <211> <212> <213>	92 1579 DNA Mus	9 musculı	ıs ·					
<400> tgccctq	92 gcat	ggtgtct	ttg	cctcggctgt	gcgcgctatg	gggctgcttg	ttgacagcgg	60
tccatct	tagg	gcagtgt	tgtt	acgtgcagtg	acaaacagta	cctccacgat	ggccagtgct	120
gtgattt	tgtg	ccagcca	agga	agccgactga	caagccactg	cacagctctt	gagaagaccc	180
aatgcca	accc	atgtgad	ctca	ggcgaattct	cagcccagtg	gaacagggag	attcgctgtc	240
accagca	acag	acactgt	tgaa	cccaatcaag	ggcttcgggt	taagaaggag	ggcaccgcag	300
aatcaga	acac	tgtctgt	tacc	tgtaaggaag	gacaacactg	caccagcaag	gattgcgagg	360
catgtg	ctca	gcacac	gccc	tgtatccctg	gctttggagt	tatggagatg	gccactgaga	420
ccactga	atac	cgtctgt	tcat	ccctgcccag	tcggcttctt	ctccaatcag	tcatcacttt	480
tcgaaaa	agtg	ttatcco	ctgg	acaagctgtg	aggataagaa	cttggaggtc	ctacagaaag	540
gaacga	gtca	gactaat	tgtc	atctgtggtt	taaagtcccg	gatgcgagcc	ctgctggtca	600

Page 17

ttcctgtcgt gatgggcatc ctcatcacca ttttcggggt gtttctctat atcaaaaagg	660
tggtcaagaa accaaaggat aatgagatgt taccccctgc ggctcgacgg caagatcccc	720
aggagatgga agattatccc ggtcataaca ccgctgctcc agtgcaggag acactgcacg	780
ggtgtcagcc tgtcacacag gaggatggta aagagagtcg catctcagtg caggagcggc	840
aggtgacaga cagcatagcc ttgaggcccc tggtctgaac cctggaactg ctttggaggc	900
gatggctgct tgctgacctt tgaagtttga gatgagccaa gacagagccc agtgcagcta	960
actctcatgc ctgccccctg tcatttctca acttgctttt taaggatgga gggaaagctc	1020
gggcatcggg aggtccacag tgatatctac caagtgcagc agtgcaggac ccagagttgt	1080
cttgctgcgg cgttcactgt aaggagtcgt ggctacagga gtccgtggcc cgcagcttgt	1140
gctcgtagag ggcacctggt tgccatcagc agggtactgg ctaaataaat ctgtaattat	1200
ttatacaatg gcatctcaga aactctagca ggtggggcag aaaacaggta gtggaatgat	1260
gggtagagaa acagctttta aaacacattc caaggcaggt aagatggctt ttgtgggtaa	1320
aggagettge tgeccaaace eggttaeetg attttgatee etgggaette atggtaaaag	1380
ggagagaacc aaatccagag ggttgtcatt tgacctccat gtgtgctctg tggtaatgta	1440
ccccgtgtgt gcacatgtgc acatatccta aaatggatgt ggtggtgtat tgtagaaatt	1500
atttaatccg ccctgggttt ctacctgtgt gttaccattt agttcttgaa taaagacaca	1560
ctcaaccttt atatttaca	1579
<210> 93 <211> 27 <212> DNA <213> Artificial Sequence <220> <223> PCR Primer	
<400> 93 tgatatagag aaacaccccg aaaatgg	27
<210> 94 <211> 27 <212> DNA <213> Artificial Sequence	
<220> <223> PCR Primer	
<400> 94 gccactgaga ccactgatac cgtctgt	27
<210> 95 <211> 20 <212> DNA <213> Artificial Sequence <220> <223> PCR Primer	
<400> 95	
gccagtacac ctgccacaaa	20

<210> <211> <212> <213>	96 24 DNA Artificial Sequence	
<220> <223>	PCR Primer	
<400> gaccaaa	96 attc cattttcctt cttg	24
<210> <211> <212> <213>	97 28 DNA Artificial Sequence	
<220> <223>	PCR Primer	
<400> aggcga	97 gact ctgagccact cacatctg	28
<210><211><211><212><213>	98 20 DNA Artificial Sequence	
<220> <223>	PCR Primer	
<400> ctgcate	98 gtcc ggaggaaatt	20
<210> <211> <212> <213>	99 19 DNA Artificial Sequence	
<220> <223>	PCR Primer	
	99 cgtc tgtggcaaa	19
<210> <211> <212> <213>	100 22 DNA Artificial Sequence	
<220> <223>	PCR Primer	
<400> ctggcg	100 caat gtcacgaggc tg	22
<210><211><212><212><213>	101 23 DNA Artificial Sequence	
<220> <223>	PCR Primer	

		15153313.5123.CXC
<400> cactga	101 tacc gtctgtcatc cct	23
<210>	102	
<211>	25	
<212>		
<213>	Artificial Sequence	
.000		
<220>	DOD Designation	
\ZZ3 >	PCR Primer	
<400>	102	
	tato otcacagott gtoca	25
-		
<210>	103	
<211>	31	
<212>		
<213>	Artificial Sequence	
<220>		
	PCR Primer	
<400>	103	
agtcgg	cttc ttctccaatc agtcatcact t	31
<210>	104	
<211> <212>	23	
<213>		
\Z1J/	Altificial Sequence	
<220>		
<223>	PCR Primer	
<400>	104	
	104 tacc gtctgtcatc cct	23
		23
cactga	tacc gtctgtcatc cct	23
cactga	tacc gtctgtcatc cct	23
<210><211>	105 25	23
cactga	105 25 DNA	23
<210> <211> <212>	tacc gtctgtcatc cct 105 25 DNA	23
<210> <211> <212> <213> <220>	105 25 DNA Artificial Sequence	23
<210> <211> <212> <213>	tacc gtctgtcatc cct 105 25 DNA	23
<pre><210> <211> <212> <213> <223> </pre>	105 25 DNA Artificial Sequence PCR Primer	23
<pre><210> <211> <212> <213> <223> <400></pre>	105 25 DNA Artificial Sequence PCR Primer 105	
<pre><210> <211> <212> <213> <223> <400></pre>	105 25 DNA Artificial Sequence PCR Primer	23
<pre><210> <211> <212> <213> <223> <400></pre>	105 25 DNA Artificial Sequence PCR Primer 105	
<pre><210> <211> <212> <213> <223> <400></pre>	105 25 DNA Artificial Sequence PCR Primer 105	
<210> <211> <212> <213> <223> <400> ccacat	105 25 DNA Artificial Sequence PCR Primer 105 ccgg gactttaaac cttgt	
<pre><210> <211> <212> <213> <223> <400> ccacate <210> <211> <212></pre>	105 25 DNA Artificial Sequence PCR Primer 105 ccgg gactttaaac cttgt 106 27 DNA	
<pre><210> <211> <211> <212> <213> <220> <223> <400> ccacate <210> <211></pre>	105 25 DNA Artificial Sequence PCR Primer 105 ecgg gactttaaac cttgt 106 27 DNA	
<pre><210> <211> <212> <213> <223> <223> <400> ccacat. <210> <211> <212> <213></pre>	105 25 DNA Artificial Sequence PCR Primer 105 ccgg gactttaaac cttgt 106 27 DNA	
<pre><210> <211> <212> <213> <223> <223> <400> ccacat. <210> <211> <211> <212> <213></pre>	105 25 DNA Artificial Sequence PCR Primer 105 ecgg gactttaaac cttgt 106 27 DNA Artificial Sequence	
<pre><210> <211> <212> <213> <223> <223> <400> ccacat. <210> <211> <211> <212> <213></pre>	105 25 DNA Artificial Sequence PCR Primer 105 ccgg gactttaaac cttgt 106 27 DNA	
<pre><210> <211> <211> <212> <213> <223> <400> ccacat <210> <211> <212> <213> <221> <221> <213> </pre>	105 25 DNA Artificial Sequence PCR Primer 105 ecgg gactttaaac cttgt 106 27 DNA Artificial Sequence	
<pre><210> <211> <211> <212> <213> <223> <400> ccacat <210> <211> <212> <213> <400> <210> <210></pre>	105 25 DNA Artificial Sequence PCR Primer 105 ecgg gactttaaac cttgt 106 27 DNA Artificial Sequence PCR Primer 106 PCR Primer	
<pre><210> <211> <211> <212> <213> <223> <400> ccacat <210> <211> <212> <213> <400> <210> <210></pre>	105 25 DNA Artificial Sequence PCR Primer 105 ecgg gactttaaac cttgt 106 27 DNA Artificial Sequence	25
<pre><210> <211> <212> <213> <220> <223> <400> ccacat <210> <211> <212> <213> <400 ccacat </pre>	105 25 DNA Artificial Sequence PCR Primer 105 ccgg gactttaaac cttgt 106 27 DNA Artificial Sequence PCR Primer 106 ggct tcttctccaa tcagtca	25
<pre><210> <211> <212> <213> <220> <223> <400> ccacat <210> <211> <212> <213> <210> <210></pre>	105 25 DNA Artificial Sequence PCR Primer 105 ccgg gactttaaac cttgt 106 27 DNA Artificial Sequence PCR Primer 106 27 DNA Artificial Sequence PCR Primer 106 ggct tcttctccaa tcagtca	25
<pre>cactga <210> <211> <212> <213> <220> <223> <400> ccacat <210> <211> <212> <213> <212> <213> <212> <213> <220> <2213> <400> <2213> <400> ccagtc</pre>	105 25 DNA Artificial Sequence PCR Primer 105 ccgg gactttaaac cttgt 106 27 DNA Artificial Sequence PCR Primer 106 ggct tcttctccaa tcagtca	25
<pre>cactga <210> <211> <212> <213> <220> <223> <400> ccacat <210> <211> <212> <213> <212> <213> <212> <213> <220> <221> <221> <213> <220> <223> <400> ccagtc</pre>	105 25 DNA Artificial Sequence PCR Primer 105 ecgg gactttaaac cttgt 106 27 DNA Artificial Sequence PCR Primer 106 ggct tcttctccaa tcagtca	25
<pre>cactga <210> <211> <212> <213> <220> <223> <400> ccacat <210> <211> <212> <213> <212> <213> <212> <213> <220> <221> <221> <213> <220> <223> <400> ccagtc</pre>	105 25 DNA Artificial Sequence PCR Primer 105 ccgg gactttaaac cttgt 106 27 DNA Artificial Sequence PCR Primer 106 ggct tcttctccaa tcagtca	25
<pre>cactga <210> <211> <212> <213> <220> <223> <400> ccacat <210> <211> <212> <213> <212> <213> <212> <213> <220> <221> <221> <213> <220> <223> <400> ccagtc</pre>	105 25 DNA Artificial Sequence PCR Primer 105 ecgg gactttaaac cttgt 106 27 DNA Artificial Sequence PCR Primer 106 ggct tcttctccaa tcagtca	25

		10103313.0123.626
<223>	PCR Primer	
<400>	107	
tgtgtt	acgt gcagtgacaa acag	24
<210>	108	
<211>	18	
<212>		
<213>	Artificial Sequence	·
<220>		
<223>	PCR Primer	
<400>	108	
	tggc tggcacaa	18
<210>	109	
<211>	23	
<212>		
<213>	Artificial Sequence	
<220>		
<223>	PCR Primer	
<400>	109	
	cgat cgccagtgct gtg	23
	- 9 9 9-9 9	
<210×	110	
<210> <211>	110 15	
<212>		
<213>	Artificial Sequence	
<220>		
<223>	PCR Primer	
<100×	110	
<400>	110 cttg ctgca	15
<210×	111	
<210> <211>	111 17	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	PCR Primer	
×4005	111	
<400>	111 cgtg atgtcga	17
accygo	ogeg wegeegu ,	Ι,
.010:	110	
<210> <211>	112 23	
<211>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	PCR Primer	
	440	
<400>	112 tcaa ccccaccgtg ttc	23
ccatgg	code coccacogig tic	23
-010:	110	
<210> <211>	113 15	
<211>	DNA	
<213>	Artificial Sequence	

<220> <223>	Synthetic Construct	
<400>	113 cact gagca	15
<210><211><212><213>		
<220> <223>	Synthetic Construct	
<400> caaagt	114 ccct gctag	15
<210> <211> <212> <213>		
<220> <223>	Synthetic Construct	
<400> agccac	115 aagt cactc	15
<210><211><211><212><213>	116 14 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> agacac	116 catc gcag	14
<210><211><211><212><213>	117 15 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> gcgaga	117 tcag aagag	15
<210><211><211><212><213>	118 15 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> cgctgt	118 caac aagca	15
<210> <211>	119 15	

<212>		1010010.0120.cm
<213>	Artificial Sequence	
<220> <223>	Synthetic Construct	
<400>		
ctgccc	taga tggac	15
<210>	120	
<211>	15	
<212> <213>	DNA. Artificial Sequence	
<220>		
<223>	Synthetic Construct	
<400>		
ctggct	ggca caaat	15
<210>	121	
<211>	15	
<212> <213>		
<220> <223>	Synthetic Construct	
<400>	121	
tgggtt	caca gtgtc	15
-010-	100	
<210> <211>		
<212>		
<213>	Artificial Sequence	
<220> <223>	Synthetic Construct	•
<400>	122	
	cata actcc	15
<210> <211>	123 15	
<212>	DNA	
<213>	Artificial Sequence	
<220> <223>	Synthetic Construct	
	`	
<400> cttgtc	123 cagg gataa	15
-	•	
<210>	124	
<211> <212>	15 DNA	
<213>	Artificial Sequence	
<220>		
<223>	PNA Oligomer	
<400>	124	
cacaga	tgac attag	15

<210>	125
<211> <212>	15 DNA
<213>	
<220> <223>	Synthetic Construct
<400>	125
	agag aaaca
<210> <211>	126 15
<212> <213>	DNA Artificial Sequence
	· ·
<220> <223>	Synthetic Construct
<400>	126
tcttga	ccac ctttt
<210>	127
<211>	15
<212> <213>	DNA Artificial Sequence
<220>	
<223>	Synthetic Construct
<400>	127
ctcatt	atcc tttgg
<210>	128
<211>	13
<212> <213>	Artificial Sequence
<220>	•
<223>	Synthetic Construct
<400>	128 gacc agg
ggccca	gace agg
<210>	129
<211> <212>	15 DNA
<213>	Artificial Sequence
<220>	General and a Constitution of the Constitution
<223>	Synthetic Construct
<400> aaactt	129 caaa ggtca
<210>	130
<211> <212>	15 DNA
<213>	Artificial Sequence
<220>	Complete Complete
<223>	Synthetic Construct
<400> tttatt	130 tagc cagta

<210> <211> <212> <213>	131 15 DNA Arti	ificial Sequ	ience				
<220> <223>	Synt	chetic Const	ruct				
<400> agcccca	131 acgc	actgg					15
<210> <211> <212> <213>	132 938 DNA Mus	musculus					
<400> gcctcct	132 ggc	ccttcagctg	tggtctttcc	cgttttctga	ctttgcggtg	acactgggga	60
cttcctt	aga	cctctctgga	gacgctttcg	gttctgcaga	gattcccagg	ggtattgtgg	120
gtggggt	ggg	gtaacaatag	tgtccctgtg	gcgctcccag	tccctatagt	aatccttcac	180
ccctctc	gcta	tcttgcaatc	aggagagtcc	ttagccctgc	tataggtggc	ttttgaggtc	240
ctggato	gcga	ggagggggac	tggggggtgg	gtcgggtaat	gtaagaaaag	ggctcctttt	300
gggacco	ctgg	ctcctccagc	caccttggtg	cccatccctt	aaactcttgg	ggacaatcag	360
actcctç	ggga	aggtcctggg	gaaatccctg	ctcagtgact	agccataggc	ccaccgcgat	420
tggtgc	ccga	agaccccgcc	ctcttcctgg	gcgggactcc	tagcagggac	tttggagtga	480
cttgtgg	gctt	cagcaggagc	cctgtgattt	ggctcttctg	atctcgccct	gcgatggtgt	540
ctttgc	ctcg	gctgtgcgcg	ctatggggct	gcttgttgac	agcggtgagt	ggcttgtgtt	600
ctaacct	сса	agggagttag	ggcttagaga	gtgagagatg	gaaagaggaa	agaggagaca	660
agacttt	gga	gatgagagat	cttcctactg	gaagcggcgg	ttagtaggat	gggcaagatc	720
tctcgcg	gtct	tgacacacac	acacacacac	acaaatgagg	tgggctgctc	ctctttcctt	780
ccagaag	gtc	ggggttctgt	tccacgaagc	ccacagggaa	ccttagggag	ggcattcctc	840
cacagco	gtg	cctggacagc	tttgtctgac	ccaagccttg	ctccggagct	gactgcagag	900
actggaa	agg	gttagcagac	aggaagcctg	gctggggg			938
<210> <211> <212> <213>	133 20 DNA Arti	ificial Sequ	1ence				
<220> <223>	Olio	gonucleotide	e Primer				
<220> <221> <222> <223>	(1).	c_feature (20) s a, c, g, c	or t				
<400> nnnnnnr	133 nnnn	nnnnnnnnn					20

```
<210> 134
<211> 18
<212> DNA
<213> Artificial Sequence
<220>
<223> Oligonucleotide Primer
<220>
<221> misc_feature
<222>
       (1)...(4)
<223> 2'-O-methoxyethyl gapmer with phosphorothioate backbone
<220>
<221> misc_feature
<222> (15)..(18)
<223> 2'-O-methoxyethyl gapmer with phosphorothioate backbone
<400> 134
                                                                             18
tctcactcct atcccagt
<210> 135
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223> Oligonucleotide Primer
<400> 135
cactgatcag ataag
                                                                             15
<210> 136
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223> PNA Oligomer
<400> 136
actagtgcta gcgtc
                                                                             15
<210> 137
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223> Oligonucleotide Primer
<400> 137
                                                                             15
cgtcatgata ccgat
<210> 138
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223>
       PNA Oligomer
```

<220>

```
<221> misc_feature
<222> (1)..(1)
<223> L-histidine
<220>
<221> misc_feature <222> (15)..(15)
<223> Lysine-NH2
<400> 138
attagtctga ctcgt
                                                                                                         15
<210> 139
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223> PNA Oligomer
<220>
<221> misc_feature
<222> (1)..(1)
<223> L-histidine
<220>
<221> misc_feature
<222> (15)..(15)
<223> Lysine-NH2
<400> 139
acattagtct gactc
                                                                                                         15
<210> 140
<211> 15
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223> PNA Oligomer
<220>
<221> misc_feature
<222> (1)..(1)
<223> L-histidine
<220>
<221> misc_feature
<222> (15)..(15)
<223> Lysine
<400> 140
tgacattagt ctgac
                                                                                                         15
<210> 141
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223> PNA Oligomer
<220>
<221> misc_feature
```

Page 27

```
<222> (1)..(1)
<223> L-histidine
<220>
<221> misc_feature
<222> (15)..(15)
<223> Lysine
<400> 141
gatgacatta gtctg
                                                                                                   15
<210> 142
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223> PNA Oligomer
<220>
<221> misc_feature
<222> (1)..(1)
<223> L-histidine
<220>
<221> misc_feature
<222> (15)..(15)
<223> Lysine
<400> 142
                                                                                                   15
cagatgacat tagtc
<210> 143
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223> PNA Oligomer
<220>
<221> misc_feature <222> (1)..(1)
<223> L-histidine
<220>
<221> misc_feature
<222> (15)..(15)
<223> Lysine
<400> 143
ctggactcac cacag
                                                                                                   15
<210> 144
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223> PNA Oligomer
<220>
<221> misc_feature <222> (1)..(1)
```

```
<223> L-histidine
<220>
<221> misc_feature
<222> (15)..(15)
<223> Lysine
<400> 144
                                                                                                              15
ggactcacca cagat
<210> 145
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223> PNA Oligomer
<220>
<221> misc_feature
<222> (1)..(1)
<223> L-histidine
<220>
<221> misc_feature
<222> (15)..(15)
<223> Lysine
<400> 145
                                                                                                              15
actcaccaca gatga
<210> 146
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223> PNA Oligomer
<220>
<221> misc_feature
<222> (1)..(1)
<223> L-histidine
<220>
<221> misc_feature
<222> (15)..(15)
<223> Lysine
<400> 146
tcaccacaga tgaca
                                                                                                              15
<210> 147
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223> PNA Oligomer
<220>
<221> misc_feature
<222> (1)..(1)
<223> L-histidine
```

```
<220>
<221> misc_feature
<222> (15)..(15)
<223> Lysine
<400> 147
accacagatg acatt
                                                                                                     15
<210> 148
<211> 7
<212> DNA
<213> Artificial Sequence
<220>
<223> PNA Oligomer
<220>
<221> misc_feature
<222> (1)..(1)
<223> L-histidine
<220>
<221> misc_feature
<222> (7)..(7)
<223> Lysine
<400> 148
                                                                                                      7
acattag
<210> 149
<211> 8
<212> DNA
<213> Artificial Sequence
<220>
<223> PNA Oligomer
<220>
<221> misc feature
<222> (1)..(1)
<223> L-histidine
<220>
<221> misc_feature
<222> (8)..(8)
<223> Lysine
<400> 149
                                                                                                      8
gacattag
<210> 150
<211> 9
<212> DNA
<213> Artificial Sequence
<220>
<223> PNA Oligomer
<220>
<221> misc_feature
<222> (1)..(1)
<223> L-histidine
```

```
<220>
<221> misc_feature
<222> (9)..(9)
<223> Lysine
<400> 150
                                                                                                          9
tgacattag
<210> 151
<211> 10
<212> DNA
<213> Artificial Sequence
<220>
<223> PNA Oligomer
<220>
<221> misc_feature
<222> (1)..(1)
<223> L-histidine
<220>
<221> misc_feature
<222> (10)..(10)
<223> Lysine
<400> 151
                                                                                                        10
atgacattag
<210> 152
<211> 11
<212> DNA
<213> Artificial Sequence
<220>
<223> PNA Oligomer
<220>
<221> misc_feature
<222> (1)..(1)
<223> L-histidine
<220>
<221> misc_feature
<222> (11)..(11)
<223> Lysine
<400> 152
                                                                                                         11
gatgacatta g
<210> 153
<211> 12
<212> DNA
<213> Artificial Sequence
<220>
<223> PNA Oligomer
<220>
<221> misc_feature <222> (1)..(1)
<223> L-histidine
```

Page 31

<220>

```
<221> misc_feature
<222> (12)..(12)
<223> Lysine
<400> 153
agatgacatt ag
                                                                                                    12
<210> 154
<211> 13
<212> DNA
<213> Artificial Sequence
<220>
<223> PNA Oligomer
<220>
<221> misc_feature <222> (1)..(1)
<223> L-histidine
<220>
<221> misc_feature
<222> (13)..(13)
<223> Lysine
<400> 154
cagatgacat tag
                                                                                                    13
<210> 155
<211> 14
<211> 14
<212> DNA
<213> Artificial Sequence
<220>
<223> PNA Oligomer
<220>
<221> misc_feature
<222> (1)..(1)
<223> L-histidine
<220>
<221> misc_feature
<222> (14)..(14)
<223> Lysine
<400> 155
acagatgaca ttag
                                                                                                    14
<210> 156
<211> 16
<212> DNA
<213> Artificial Sequence
<220>
<223> PNA Oligomer
<220>
<221> misc_feature
<222> (1)..(1)
<223> L-histidine
<220>
<221> misc feature
```

```
<222> (16)..(16)
<223> Lysine
   <400> 156
                                                                                             16
   ccacagatga cattag
   <210> 157
<211> 17
<212> DNA
    <213> Artificial Sequence
    <220>
   <223> PNA Oligomer
   <220>
   <221> misc_feature
   <222> (1)..(1)
<223> L-histidine
   <220>
   <221> misc_feature <222> (17)..(17)
   <223> Lysine
    <400> 157
                                                                                             17
   accacagatg acattag
   <210> 158
<211> 18
<212> DNA
<213> Artificial Sequence
    <220>
    <223> PNA Oligomer
   <220>
    <221> misc_feature
   <222> (1)..(1)
<223> L-histidine
   <220>
   <221> misc_feature
           (18) .. (18)
    <222>
   <223> Lysine
   <400> 158
                                                                                             18
   caccacagat gacattag
   <210> 159
<211> 19
<212> DNA
    <213> Artificial Sequence
    <220>
    <223> PNA Oligomer
    <220>
    <221> misc_feature
   <222> (1)..(1)
<223> L-histidine
   <220>
<221> misc_feature
<222> (19)..(19)
```

```
<223> Lysine
<400> 159
tcaccacaga tgacattag
                                                                                   19
<210> 160
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> PNA Oligomer
<220>
<221> misc_feature
<222> (1)..(1)
<223> L-histidine
<220>
<221> misc_feature
<222> (20)..(20)
<223> Lysine
<400> 160
ctcaccacag atgacattag
                                                                                   20
<210> 161
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic Construct
<400> 161
cgagaggcgg acgggaccg
                                                                                   19
<210> 162
<211> 21
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic Construct
<220>
<221> misc_feature
<222> (20)..(21)
<223> two-nucleobase overhang of deoxythymidine (dT)
<400> 162
                                                                                   21
cgagaggcgg acgggaccgt t
<210> 163
<211> 21
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic Construct
<220>
<221> misc feature
```

	(20)(21)	
<223>	two-nucleobase ovrhang of deoxythymidine (dT)	
<400>	163	0.1
eggtee	egte egeetetegt t	21
<210>	164	
<211>	19	
<212> <213>		
\Z13/	Artificial Sequence	
<220>	Our black is Comptoned	
<223>	Synthetic Construct	
<400>	164	1.0
cggtcc	cgtc cgcctctcg	19
.010		
<210> <211>	165 18	
<212>		
<213>	Artificial Sequence	
<220>		
<223>	Synthetic Construct	
<400>	165	
agtggt	cctg ccgcctgg	18
<210>	166	
<211> <212>	18 DNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic Construct	
<400>	166	
	tgcc gcctggtc	18
<210>	167	
<211> <212>	18 DNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic Construct	
<400>		
	167 ctgg tctcacct	18
<210>	168	
<211>	18	
<212> <213>	DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400>	168 cgtc tgcctctg	18
acyget		_0
<210>	169	
<211>	17	
<212>	DNA	

<213>	Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> tggttc	169 gtct gctctgc	17
<210> <211> <212>	170 18 DNA	
	Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> tcctct	170 gggg ctgcttgc	18
<210> <211>		
<212> <213>	DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> tggggc	171 tgct tgctgacc	18
<210> <211>		
<212> <213>	DNA	
<220> <223>	Synthetic Construct	
<400> tgcttg	ctga ccgctgtc	18
	,	
<210> <211>		
<212> <213>	DNA	
	Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> 173 tgctgaccgc tgtccatc 18		
<210>	174	
<211>	19	
<212> <213>	DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> gaccgc	174 tgtc cactccaga	19
<210>	175	

	4.0	101000101012010110	
<211> <212> <213>	18 DNA Artificial Sequence		
<220> <223>	Synthetic Construct		
<400> tgtcca	175 tcca gaaccacc		18
<210><211><212><212><213>	18		
<220> <223>	Synthetic Construct		
<400> ccatcc	176 agaa ccacccac		18
<210><211><211><212><213>	18		
<220> <223>	Synthetic Construct		
<400> tccaga	177 acca cccactgc		18
<210><211><212><212><213>	18		
<220> <223>	Synthetic Construct		
<400> tcagtg	178 ctgt tctttgtg	·	18
<210><211><211><212><213>	179 18 DNA Artificial Sequence		
<220> <223>	Synthetic Construct	•	
<400> tgctgt	179 tctt tgtgccag		18
<210> <211> <212> <213>	180 18 DNA Artificial Sequence		
<220> <223>	Synthetic Construct		
<400> tctttg	180 tgcc agccagga		18

<210><211><211><212>	DNA
<213> <220>	-
<223>	-
<400> ttgtgd	181 ccagc caggacag
<210> <211>	182 18
<212> <213>	DNA
<220> <223>	Synthetic Construct
<400>	182
aggaca	igaaa ctggtgag
<210> <211>	18
<212> <213>	DNA Artificial Sequence
<220> <223>	Synthetic Construct
<400>	183 actg gtgagtga
aoagao	accy gogagoga
<210> <211>	18
<212> <213>	
<220> <223>	Synthetic Construct
<400>	184 gagt gactgcac
accyge	gage gacegeae
<210> <211>	
<212> <213>	
<220> <223>	Synthetic Construct
<400>	
tgagtg	gactg cacagagt
<210> <211>	186 18
<212> <213>	DNA Artificial Sequence
<220>	czzzczar boquence
<223>	Synthetic Construct
<400>	186

actgca	caga gttcactg	18
<210><211><211><212><213>	187 18 DNA Artificial Sequence	
<220> <223>	. Synthetic Construct	
<400> agttca	187 ctga aacggaat	18
<210> <211> <212> <213>	188 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> ctgaaa	188 cgga atgccttc	18
<210><211><211><212><213>		
<220> <223>	Synthetic Construct	
<400> tgcctt	189 cctt gcggtgaa	18
<210><211><211><212><213>	190 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> tagaca	190 cctg gaacagag	18
<210><211><211><212><213>	191 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> gagaca	191 cact gccaccag	18
<210><211><212><212><213>	192 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
	-	

<400> acaaat	192 actg cgacccca	18
<210> <211> <212> <213>		
<220> <223>	Synthetic Construct	
<400> aatact	193 gcga ccccaacc	18
<210> <211> <212> <213>		
<220> <223>	Synthetic Construct	
<400> actgcg	194 accc caacctag	18
<210><211><211><212><213>	DNA	
<220> <223>	Synthetic Construct	
<400> gtccag	195 caga agggcacc	18
<210> <211> <212> <213>	196 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> agcaga	196 aggg cacctcag	18
<210> <211> <212> <213>	197 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> cacctc	197 agaa acagacac	18
<210><211><211><212><212><213>		

<220> <223>	Synthetic Construct	
<400> cctcag	198 aaac agacacca	18
,		
<210><211><211><212><213>	199 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> gacacc	199 atct gcacctgt	18
<210><211><211><212><213>		
<220> <223>	Synthetic Construct	
<400> accatc	200 tgca cctgtgaa	18
<210><211><211><212><213>		
<220> <223>	Synthetic Construct	
<400> tgtgaa	201 gaag gctggcac	18
<210><211><211><212><213>		
<220> <223>	Synthetic Construct	
<400> aagaag	202 gctg gcactgta	18
<210><211><211><212><213>	203 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> cctgtg	203 agag ctgtgtcc	18
<210> <211> <212>	204 18 DNA	

<213>	Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> tgagag	204 ctgt gtcctgca	18
<210><211><212><212><213>	205 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> ctgtgt	205 cctg caccgctc	18
<210><211><211><212><213>	206 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> ctcatge	206 ctcg cccggctt	18
<210><211><211><212><213>	207 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> tttggg	207 gtca agcagatt	18
<210> <211> <212> <213>	208 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> gattgc	208 taca ggggtttc	18
<210> <211> <212> <213>	209 . 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> tacagg	209 ggtt totgatac	18
<210>	210	

<211> <212> <213>		
<220> <223>	Synthetic Construct	
<400> ctgata	210 ccat ctgcgagc	18
<210><211><212><213>	211 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> accatc	211 tgcg agccctgc	18
<210> <211> <212> <213>	DNA	
<220> <223>	Synthetic Construct	
<400> atctgc	212 gagc cctgccca	18
<210><211><211><212><213>		
<220> <223>	Synthetic Construct	
<400> tgcgag	213 ccct gcccagtc	18
<210><211><211><212><213>	214 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> tcggct	214 tctt ctccaatg	18
<210><211><211><212><213>	215 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> cttctc	215 caat gtgtcatc	18

<210> <211> <212> <213>	216 18 DNA Artificial Sequence	•
<220> <223>	Synthetic Construct	
<400> ctccaa	216 tgtg tcatctgc	18
<210><211><211><212><213>		
<220> <223>	Synthetic Construct	
<400> tgtgtc	217 atct gctttcga	18
<210><211><211><212><213>	218 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> aaaatg	218 tcac ccttggac	18
<210><211><211><212><213>	219 18 DNA Artificial Sequence	
<220> <223>	. Synthetic Construct	
<400> accctt	219 ggac aagctgtg	18
<210><211><211><212><213>	220 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> gacaag	220 ctgt gagaccaa	18
<210><211><211><212><213>	221 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400>	221	

tgtgag	acca aagacctg	18
<210><211><211><212><213>	222 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> gacctg	222 gttg tgcaacag	18
	223 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> caacag	223 gcag gcacaaac	18
<210> <211> <212> <213>		
<220> <223>	Synthetic Construct	
<400> ggcagg	224 caca aacaagac	18
	225 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> gactga	225 tgtt gtctgtgg	18
<210> <211> <212> <213>	226 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> gttgtc	226 tgtg gtccccag	18
<210> <211> <212> <213>	227 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	

<400> gtcccc	227 agga tcggctga	18
<210> <211> <212> <213>	228 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> ctgaga	228 gccc tggtggtg	18
<210><211><211><212><213>	229 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> agccct	229 ggtg gtgatccc	18
<210><211><211><212><213>	230 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> atcctg	230 tttg ccatcctc	18
<210><211><212><212><213>	231 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> catcct	231 cttg gtgctggt	18
<210><211><212><212><213>	232 18 DNA Artificial Sequence	•
<220> <223>	Synthetic Construct	
<400> tgctgg	232 tctt tatcaaaa	18
<210><211><211><212><213>	233 18 DNA Artificial Sequence	

<220> <223>	Synthetic Construct	
<400> ccaaga	233 agcc aaccaata	18
-010>	004	
<210> <211>		
<212> <213>		
<220>		
<223>	Synthetic Construct	
<400> cacccc	234 aagc aggaaccc	18
<210>	235	
<211> <212>	18	
<213>		
<220> <223>	Synthetic Construct	· .
<400>	235	
gagato	aatt ttcccgac	18
<210>		
<211> <212>		
<213>	Artificial Sequence	
<220> <223>	Synthetic Construct	·
<400>	236	18
CCaacc	ttcc cgacgatc	10
<210> <211>		
<212>	DNA	
<213> <220>	Artificial Sequence	
<223>	Synthetic Construct	
<400>	237 , cttc ctggctcc	18
gacgac	cere etggeree	10
<210> <211>	238 18	
<212> <213>		
<220>	Artificial bequence	
<223>	Synthetic Construct	
<400>	238 Ettec tggeteca	18
acguic	coo eggeteeu	10
<210> <211>	239 18	
<212>	DNA	

<213>	Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> tccaac	239 actg ctgctcca	18
<210><211><212><212><213>	18	
<220> <223>		
<400> cagtgc	240 agga gactttac	18
<210><211><212><212><213>	DNA	
<220> <223>	Synthetic Construct	
<400> gacttt	241 acat ggatgcca	18
<210><211><211><212><213>	18 DNA	
<220> <223>	Synthetic Construct	
<400> ttacat	242 ggat gccaaccg	18
<210><211><211><212><212><213>	18 DNA	
<220> <223>	Synthetic Construct	
<400> caggage	243 gatg gcaaagag	18
<210><211><211><212><213>	244 18 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> tcagtg	244 cagg agagacag	18
<210>	245	

		15155515.5125.CXC	
<211> <212> <213>	18 DNA Artificial Sequence		
<220> <223>	Synthetic Construct		
<400> agacag	245 cgag gctgcacc		18
<210> <211> <212> <213>			
<220> <223>	Synthetic Construct		
	246 aaac aggcagtt		18
<210> <211> <212> <213>	18 DNA		
<220> <223>	Synthetic Construct		
<400> cagggg	247 cgca ggcagaag		18
<210><211><211><212><213>	18		
<220> <223>	Synthetic Construct		
<400> gagcta	248 agcc cagtcagt		18